



NITFS Compliance Registration



Product: Synthetic Imagery Generation System Version 5.5

Sponsor: National Reconnaissance Office

Developer: Northrop Grumman

Date: 24 October 2002

Expiration: 23 October 2004

Registration #: 1017

☐ Initial Registration

☒ Supplemental/Update 1011

☐ Derived from Reg. #

☒ **System**
N-0105/98, §4.1.1

NITFS Features Implemented:

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Format

☐ NITF

☒ v2.1

☒ v2.0

☐ v1.1

☐ NSIF

☐ v1.0

Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NO DISPLY

☐ POLAR

Data Extension Segments

☐ TRE_OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☐ Registered Extensions **

Tagged Record Extensions

- None implemented

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- Sun Ultra 1 Ultra Sparc (Solaris 2.8)

Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer *

☐ IEEE Real *

☐ IEEE Complex *

Annotation Segment Types

☐ Bit Mapped **

☒ COM, 2301

☐ COM, 2301A

☐ Labels **

Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

Image Compression

☒ Not Compressed

☒ JPEG Lossy, 8-bit

☒ JPEG Lossy, 12-bit

☒ JPEG Downsample

☒ JPEG Lossless

☒ JPEG 2000

☐ BC Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

EDWARD E. BOYLES, Division Chief

Joint Interoperability Test Command

Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.